

WHAT IS CLAIMED IS:

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A1
- 5 1. A laser diode module comprising:  
a laser diode;  
a lens provided on an optical path of a  
laser beam emitted by said laser diode;  
a polarizer provided on an optical path  
of the laser beam transmitted by said lens; and  
an optical fiber provided at a location  
10 to which the laser beam transmitted by said  
polarizer is optimally coupled, wherein  
said polarizer is angled so that a  
direction of polarization permitted to pass through  
said polarizer is angled against a direction of  
15 polarization of the laser beam transmitted by said  
lens.
2. The laser diode module according to  
claim 1, wherein said optical fiber is provided in  
20 the vicinity of the location to which the laser  
beam transmitted by said polarizer is optimally  
coupled.
3. The laser diode module according to  
25 claim 1, wherein said polarizer is placed so that  
the direction of polarization permitted to pass  
through said polarizer is angled against a  
direction of polarization of the laser beam from  
said laser diode at an angle that ensures a desired  
30 level of optical output from said optical fiber.

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A2

4. A laser diode module comprising:  
a laser diode;  
a lens provided on an optical path of a  
5 laser beam emitted by said laser diode;  
an optical isolator provided on an  
optical path of the laser beam transmitted by said  
lens and including a polarizer, a rotator and an  
analyzer; and  
10 an optical fiber provided at a location  
to which the laser beam transmitted by said optical  
isolator is optimally coupled, wherein  
said optical isolator is placed so that  
a direction of polarization permitted to pass  
15 through said optical isolator is angled against a  
direction of polarization of the laser beam from  
said laser diode.

5. The laser diode module according to  
20 claim 4, wherein said optical fiber is provided in  
the vicinity of the location to which the laser  
beam transmitted by said optical isolator is  
optimally coupled.

25 6. The laser diode module according to  
claim 4, wherein said optical isolator is placed so  
that the direction of polarization permitted to  
pass through said optical isolator is angled  
against a direction of polarization of the laser  
30 beam from said laser diode at an angle that ensures

a desired level of optical output from said optical fiber.

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          a laser diode;  
          a lens provided on an optical path of a  
laser beam emitted by said laser diode;  
          an optical fiber provided with an end  
surface facing said lens and leaned against an axis  
10 of said optical fiber, and placed so that the laser  
beam transmitted by said lens is coupled into said  
optical fiber at an angle against the axis of said  
optical fiber,  
          the end surface of said optical fiber  
15 being provided at a location at which the laser  
beam transmitted by said lens is coupled into said  
optical fiber with a maximum efficiency, and  
          said optical fiber being leaned against  
the axis at an angle that ensures a desired level  
20 of optical output. A